

CLAIMS

1. Grinding machine for grinding grinding material by means of grinding bodies, with at least one grinding unit (1) having two parts rotatable relative to one another, characterized by a stationary container (2) for receiving grinding material and a rotary disk (3) placed above a container base (2a) for forming a finite gap (5) with respect to the container wall.
2. Grinding machine according to claim 1, characterized in that a driving shaft of the grinding disk (3) passes in liquid-tight manner through the base of the container (2).
3. Grinding machine according to claim 1 ~~or 2~~, characterized in that the disk is rigid.
4. Grinding machine according to ~~one of the claims 1 to 3~~ <sup>Claim 1</sup>, characterized in that at least on its underside the disk (3) has resilient material.
5. Grinding machine according to ~~one of the claims 1, 2 or 4~~ <sup>Claim 1</sup>, characterized in that the disk (3) is made from resilient, particularly flexible material.
6. Grinding machine according to ~~one of the claims 1 to 4~~ <sup>Claim 4</sup>, characterized in that the underside of a rigid carrier of the disk (3) is covered with resilient material.
7. Grinding machine according to ~~one of the claims 1 to 6~~ <sup>Claim 4</sup>, characterized in that the resilient disk material is an elastomeric plastic.
8. Grinding machine according to ~~one of the claims 1 to 6~~ <sup>Claim 4</sup>, characterized in that the disk material is rubber.
9. Grinding machine according to ~~one of the claims 1 to 6~~ <sup>Claim 4</sup>, characterized in that the resilient material is felt, cotton fabric or resilient floor covering material.
10. Grinding machine according to ~~one of the claims 1 to 9~~ <sup>Claim 1</sup>, characterized in that the width (b) of the gap (5) is at least 1/10 mm.
11. Grinding machine according to claim 10, characterized in that the gap width is up to 2 mm.
12. Grinding machine according to ~~one of the preceding claims~~ <sup>Claim 1</sup>, characterized

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in that the size (a) of the gap (5) is smaller than the spacing (b) of the disk (3) from the container base (2a).

*a* 13. Grinding machine according to ~~one of the preceding claims~~ *Claim 1*, characterized in that the disk (3) has a raised circumferential edge (3a).

*a* 14. Grinding machine according to ~~one of the preceding claims~~ *Claim 1*, characterized by a one-piece casing (2').

*a* 15. Device according to ~~one of the preceding claims~~ *Claim 1*, characterized in that a casing (2') and/or the container (2) is made from plastic.

*\*12 a* 16. Device according to ~~one of the claims 1 to 15~~ *Claim 1*, characterized in that a drive motor for the rotary disk (3) is placed beneath the latter.

*\*12 a* 17. Device according to ~~one of the claims 1 to 15~~ *Claim 1*, characterized in that a drive (11) for the disk (3) has a gear (12) between (the drive motor) (13) and disk (3).

18. Device according to claim 17, characterized in that the gear (12) is positioned below the disk (3).

*a* 19. Device according to claim 17 ~~or 18~~, characterized in that the drive (11) is constructed as a geared motor (14) with integrated gear (12).

*a* 20. Device according to claim ~~18 or 19~~ *17*, characterized in that the geared motor (14) or motor (13) is positioned below the container (2) in a foot (2c) of the casing (2').

*a* 21. Device according to ~~one of the claims 17 to 20~~ *Claim 17*, characterized in that the drive motor (13) is positioned laterally of the container (2).

22. Device according to claim 21, characterized in that the top of the motor (13) is substantially at the same level as the top of the container (2).

*a* 23. Device according to ~~one of the preceding claims~~ *Claim 1*, characterized in that a sealable outlet (15) is provided below the disk (3) in the base (2a) of the container (2).

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